

Amendments to the Claims

Please amend Claims 1, 2, 3, and 5 to read as follows.

Please add new Claims 7, 8 and 9.

1. (Currently Amended) An inkjet recording apparatus for performing recording by ejecting ink onto a recording medium using a plurality of ~~element substrates~~ heads, the apparatus comprising:

said ~~element substrates~~ heads, each having plurality of heating means to eject the ink;

a common support member on which said plurality of ~~element substrates~~ heads are arranged, said common support member conducting heat among said ~~element substrates~~ heads;

obtaining means for obtaining temperature of a printing head unit including said common support member and said plurality of ~~element substrates~~ heads;

a recording mode setting ~~means circuit~~ for setting an element substrate a head that is to be used for recording in a recording operation based on image data and ~~an element substrate~~ a head that is not to be used for recording all the way through the recording operation based on the image data, from among said plurality of ~~element substrates~~ heads; and

control means for heating not causing ejection, if the obtained temperature of the printing head unit is in a predetermined range, only the ~~element-substrate~~ head that is set by said recording mode setting ~~means circuit~~ to be not used for recording to adjust the temperature of the ~~element-substrate~~ head to be used for recording utilizing heat conduction.

2. (Currently Amended) An inkjet recording apparatus according to claim 1, wherein said control means causes the heating means for the ~~element-substrate~~ head that is not to be used for recording to generate heat such that the ink is not ejected from the ~~element-substrate~~ head.

3. (Currently Amended) An inkjet recording apparatus according to claim 1, wherein said control means causes heating of the ~~element-substrate~~ head that is not to be used for recording while the ~~element-substrate~~ head to be used for recording performs recording.

4. (Canceled).

5. (Currently Amended) An inkjet recording apparatus for performing recording by ejecting ink onto a recording medium using a plurality of ~~element substrates~~ heads, the apparatus comprising:

said ~~element substrates~~ heads, each having a plurality of heating means to eject the ink;

a common support member on which said plurality of ~~element substrates~~ heads are arranged, said common support member conducting heat among said ~~element substrates~~ heads;

obtaining means for obtaining temperature of a printing head unit including said common support member and said plurality of ~~element substrates~~ heads;

discrimination means for discriminating between ~~an element substrate a~~ head that is to be used in a next recording operation based on image data and ~~an element substrate a head~~ that is not to be used for all the way through the next recording operation to be performed based on the image data; and

control means for heating not causing ejection, if the obtained temperature of the printing head unit is in a predetermined range, only the ~~element substrate~~ head that is discriminated by said discrimination means to be not used before the ~~element substrate~~ head discriminated to be used for recording starts ~~a~~ the recording operation, to adjust the temperature of the ~~element substrate~~ head to be used utilizing heat conduction.

6. (Previously Presented) An inkjet recording apparatus according to claim 5, wherein a heater for heating provided independently of the heating means is used as said control means.

7. (New) An ink jet recording apparatus according to claim 1, wherein said plurality of heads eject ink of different colors.

8. (New) An ink jet recording apparatus according to claim 1, wherein before the head that is set by said recording mode setting circuit to be used for recording is started to be used for recording,

if the temperature obtained by said obtaining means is lower than a predetermined temperature, all of said heads are heated not to eject ink,

and if the temperature obtained is higher than the predetermined temperature, the head that is set to be used for recording is stopped being heated and only the head that is set to not be used for recording is continued to be heated.

9. (New) An ink jet recording apparatus according to claim 1, wherein each of said plurality of heads has a temperature sensor and said obtaining means obtains an average of outputs from said temperature sensors as the temperature of said printing head unit.